

# Comparisons of Job Characteristics

**Focus Occupation:** [Layout Workers, Metal and Plastic \(51-4192\)](#)

**Associated Occupation:** [Model Makers, Metal and Plastic \(51-4061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

**Focus Occupation:** Layout Workers, Metal and Plastic (51-4192)  
**Associated Occupation:** Model Makers, Metal and Plastic (51-4061)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                         |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Mechanical                                     | 6.8                             | 16.9                           | 15.1                      | < Expanded education and/or training may be required   |
| Production and Processing                      | 6.0                             | 12.5                           | 10.2                      | < Expanded education and/or training may be required   |
| Mathematics                                    | 9.2                             | 11.7                           | 14.7                      | > Current knowledge level is likely sufficient         |
| Design   | 5.2                             | 11.6                           | 12.8                      | > Current knowledge level is likely sufficient         |
| Engineering and Technology                     | 5.7                             | 9.6                            | 6.5                       | << Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation:** Layout Workers, Metal and Plastic (51-4192)  
**Associated Occupation:** Model Makers, Metal and Plastic (51-4061)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                                  |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Operation and Control                       | 5.4                             | 10.6                           | 6.6                       | << Extensive development of skills in this area may be required |
| Quality Control Analysis                    | 5.9                             | 9.8                            | 7.5                       | << Extensive development of skills in this area may be required |
| Operation Monitoring                        | 6.6                             | 9.7                            | 8.0                       | < A higher skill level may be required                          |
| Troubleshooting                             | 4.5                             | 8.4                            | 5.5                       | << Extensive development of skills in this area may be required |
| Equipment Selection                         | 3.3                             | 8.0                            | 6.0                       | << Extensive development of skills in this area may be required |
| Equipment Maintenance                       | 3.5                             | 6.7                            | 4.8                       | << Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities   |                                 | Similarity of Focus Occupation to Associated Occupation: 88 |                           |                                |  |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Layout Workers, Metal and Plastic (51-4192)<br>Associated Occupation: Model Makers, Metal and Plastic (51-4061) |                                 |   |                           |                                |  |
| Associated Occupation's Key Abilities Elements  | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
| Reaction Time   | 4.8                             | 11.6  | 7.3                       | <<                             | Extensive improvement in abilities may be required |
| Visualization   | 7.5                             | 11.6  | 11.5                      | 0                              | Current ability level may be sufficient            |
| Control Precision   | 6.6                             | 10.7  | 8.5                       | <                              | Some improvement in abilities may be required      |
| Arm-Hand Steadiness   | 6.8                             | 10.6  | 10.4                      | 0                              | Current ability level may be sufficient            |
| Manual Dexterity  | 6.5                             | 10.5  | 9.4                       | <                              | Some improvement in abilities may be required      |
| Auditory Attention  | 5.9                             | 9.1   | 8.2                       | <                              | Some improvement in abilities may be required      |
| Rate Control  | 3.8                             | 8.2   | 4.1                       | <<                             | Extensive improvement in abilities may be required |
| Wrist-Finger Speed  | 3.2                             | 6.9   | 3.6                       | <<                             | Extensive improvement in abilities may be required |
| Dynamic Strength  | 3.5                             | 6.6   | 4.1                       | <<                             | Extensive improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common   |                         | Similarity of Focus Occupation to Associated Occupation: 86 |
|---|-------------------------|---|
| <b>Focus Occupation: Layout Workers, Metal and Plastic (51-4192)</b><br><b>Associated Occupation: Model Makers, Metal and Plastic (51-4061)</b> |                         |   |
| Work Activities   | Exclusivity of Activity |   |
| Examine products or work to verify conformance to specifications  | 15                      |   |
| Fabricate, assemble, or disassemble manufactured products by hand   | 11                      |   |
| Lay out machining, welding or precision assembly projects   | 63                      |   |
| Perform safety inspections in manufacturing or industrial setting   | 33                      |   |
| Read blueprints   | 10                      |   |
| Read technical drawings   | 7                       |   |
| Recognize characteristics of metals   | 62                      |   |
| Understand technical operating, service or repair manuals   | 6                       |   |
| Use hand or power tools   | 2                       |   |
| Use precision measuring tools or equipment  | 17                      |   |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Layout Workers, Metal and Plastic (51-4192)**  
**Associated Occupation: Model Makers, Metal and Plastic (51-4061)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.